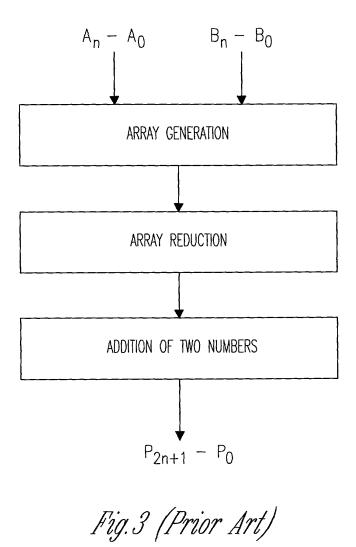


Fig.2 (Prior Art)

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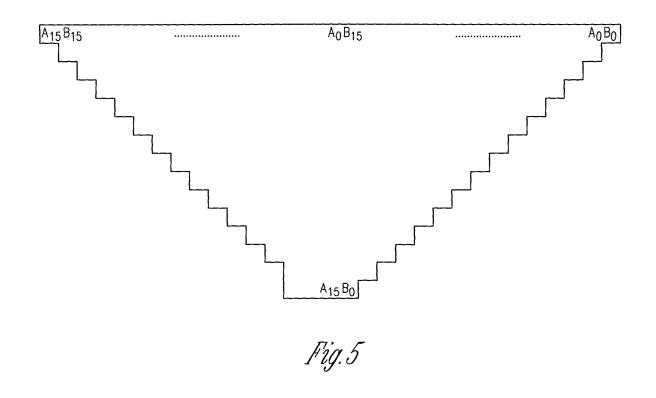


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 $A_7B_0$   $A_6B_0$   $A_5B_0$   $A_4B_0$   $A_3B_0$   $A_2B_0$   $A_1B_0$   $A_0B_0$ A<sub>7</sub>B<sub>1</sub> A<sub>6</sub>B<sub>1</sub> A<sub>5</sub>B<sub>1</sub> A<sub>4</sub>B<sub>1</sub> A<sub>3</sub>B<sub>1</sub> A<sub>2</sub>B<sub>1</sub> A<sub>1</sub>B<sub>1</sub> A<sub>0</sub>B<sub>1</sub>  $A_7B_2$   $A_6B_2$   $A_5B_2$   $A_4B_2$   $A_3B_2$   $A_2B_2$   $A_1B_2$   $A_0B_2$  $A_{7}B_{3} \ A_{6}B_{3} \ A_{5}B_{3} \ A_{4}B_{3} \ A_{3}B_{3} \ A_{2}B_{3} \ A_{1}B_{3} \ A_{0}B_{3}$ A7B4 A6B4 A5B4 A4B4 A3B4 A2B4 A1B4 A0B4  $A_7B_5$   $A_6B_5$   $A_5B_5$   $A_4B_5$   $A_3B_5$   $A_2B_5$   $A_1B_5$   $A_0B_5$ A7B6 A6B6 A5B6 A4B6 A3B6 A2B6 A1B6 A0B6 A<sub>7</sub>B<sub>7</sub> A<sub>6</sub>B<sub>7</sub> A<sub>5</sub>B<sub>7</sub> A<sub>4</sub>B<sub>7</sub> A<sub>3</sub>B<sub>7</sub> A<sub>2</sub>B<sub>7</sub> A<sub>1</sub>B<sub>7</sub> A<sub>0</sub>B<sub>7</sub> USING 16 FA BLOCKS USING 11 FA-s AND 1 HA USING 7 FA-s USING 5 FA-s AND 2 HA-s

Fig. 4 (Prior Art)

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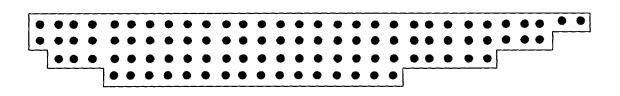


Fig. 6

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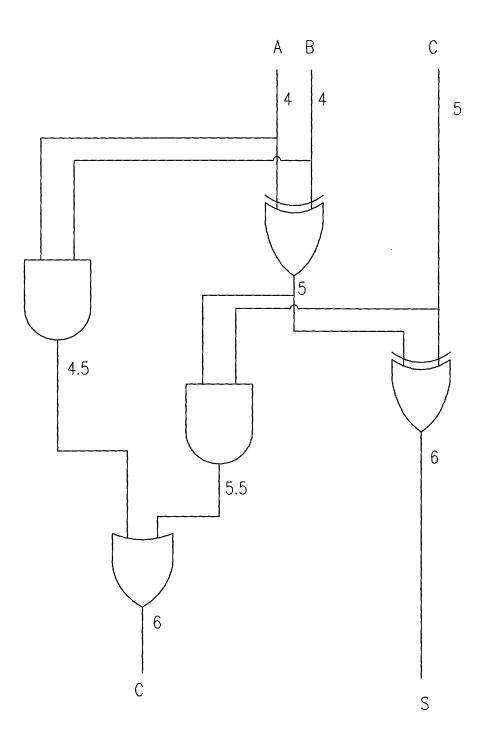


Fig. 7

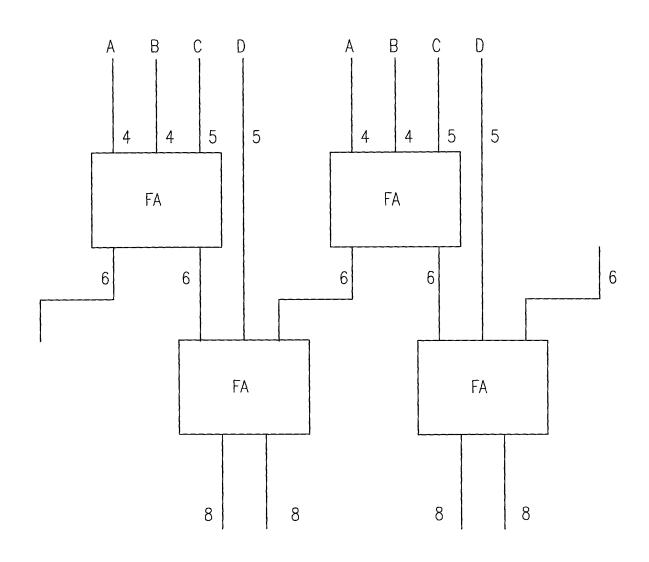


Fig.8

The first fi

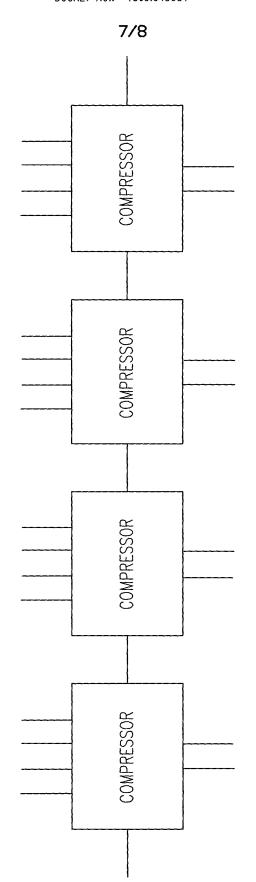


Fig. 9

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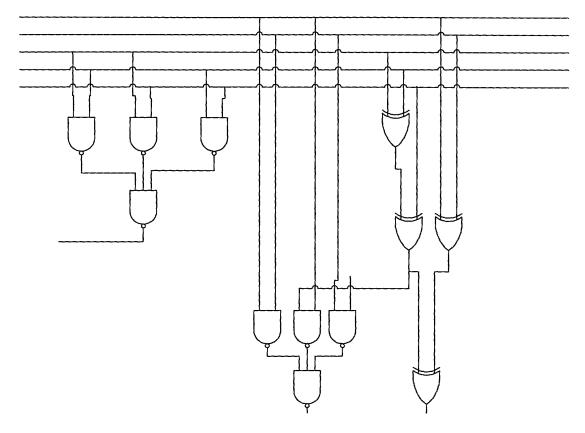


Fig. 10

The first flow construction of the first flow construction of